

FIG. 2

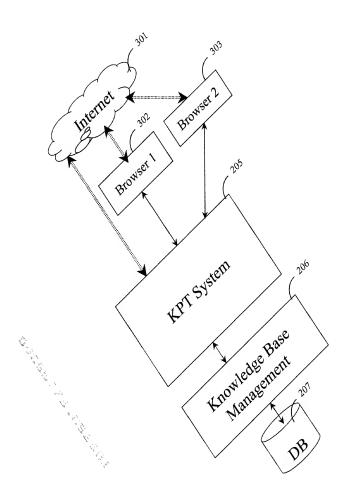


FIG.3

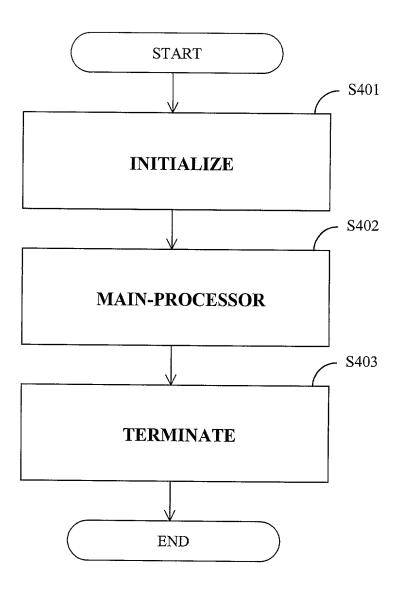


FIG. 4

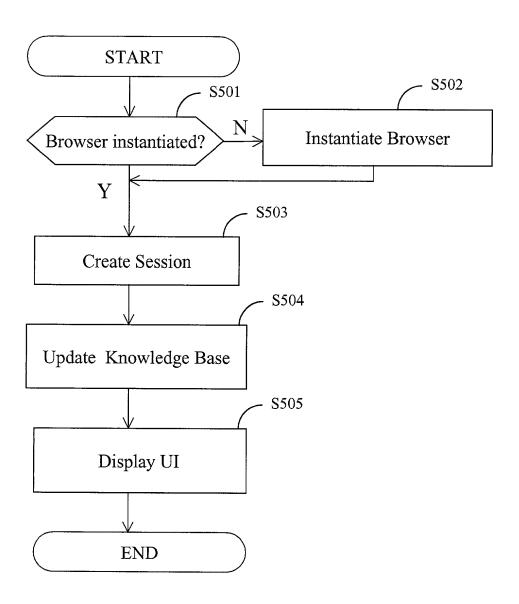


FIG. 5

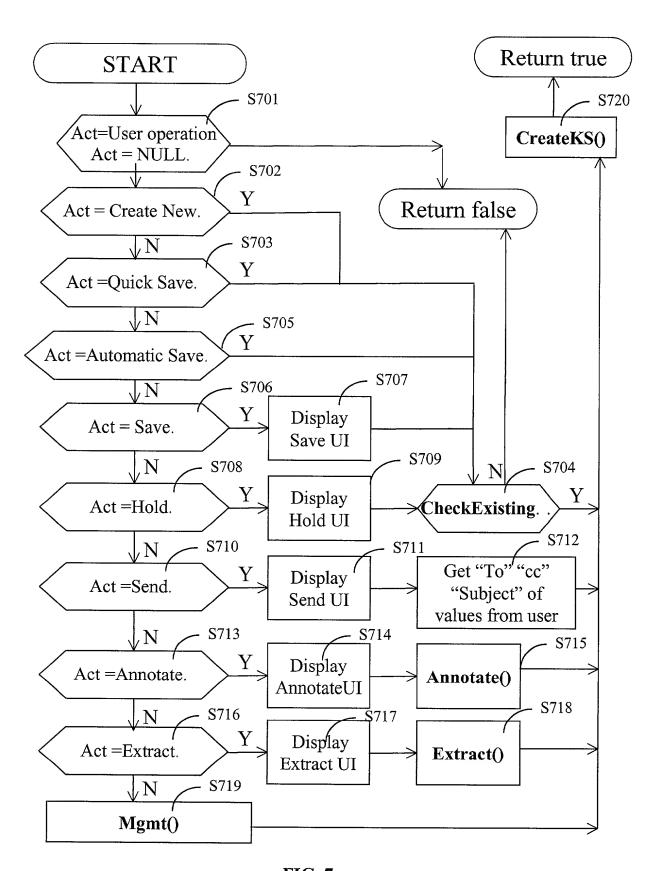


FIG. 7

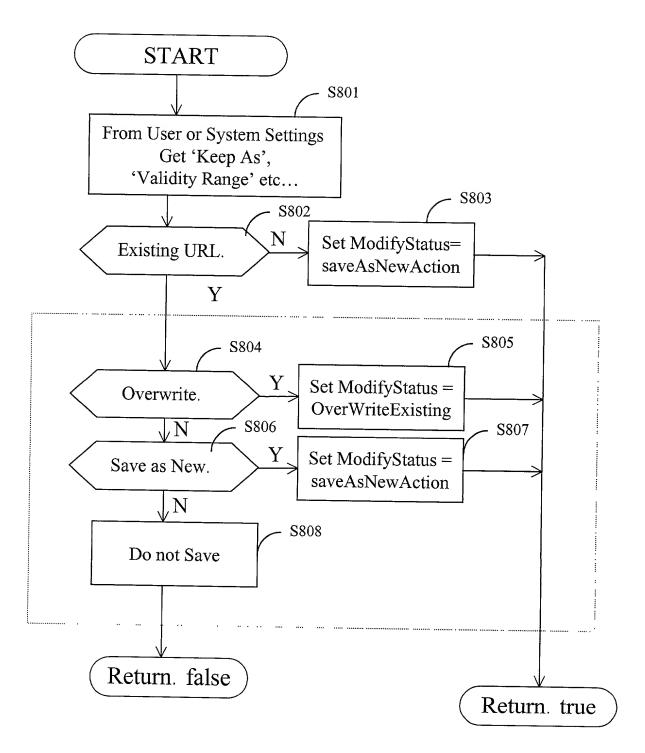


FIG. 8

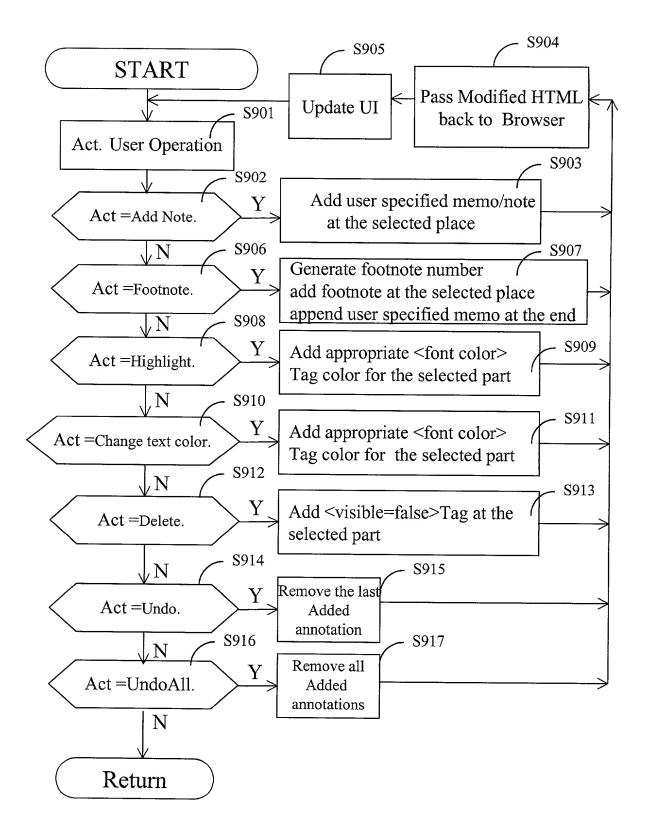


FIG. 9

FIG. 10

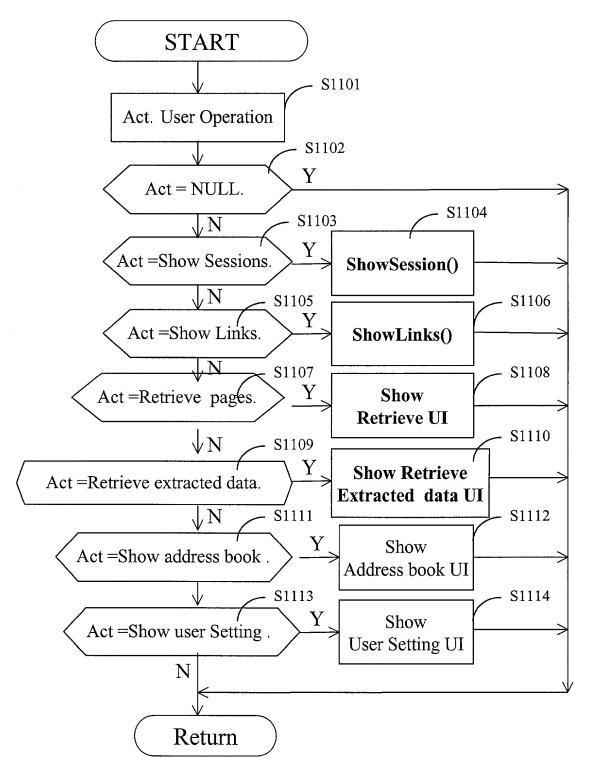
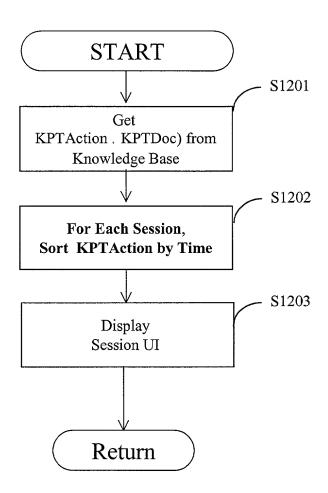
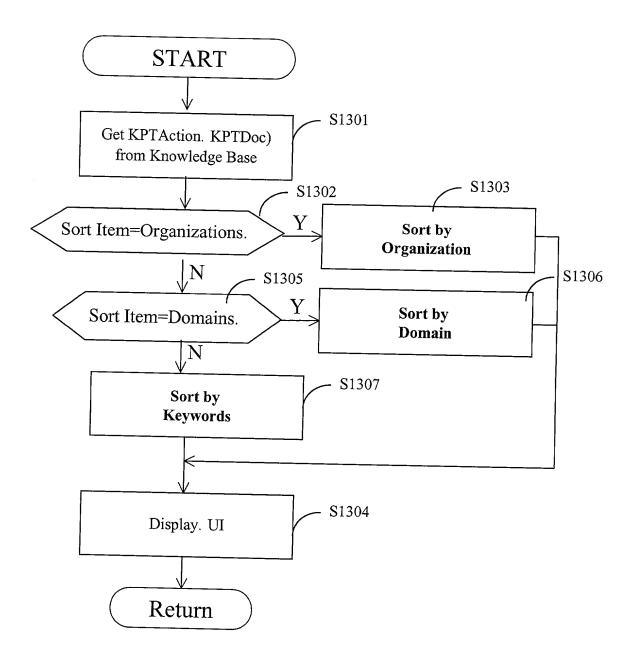


FIG. 11





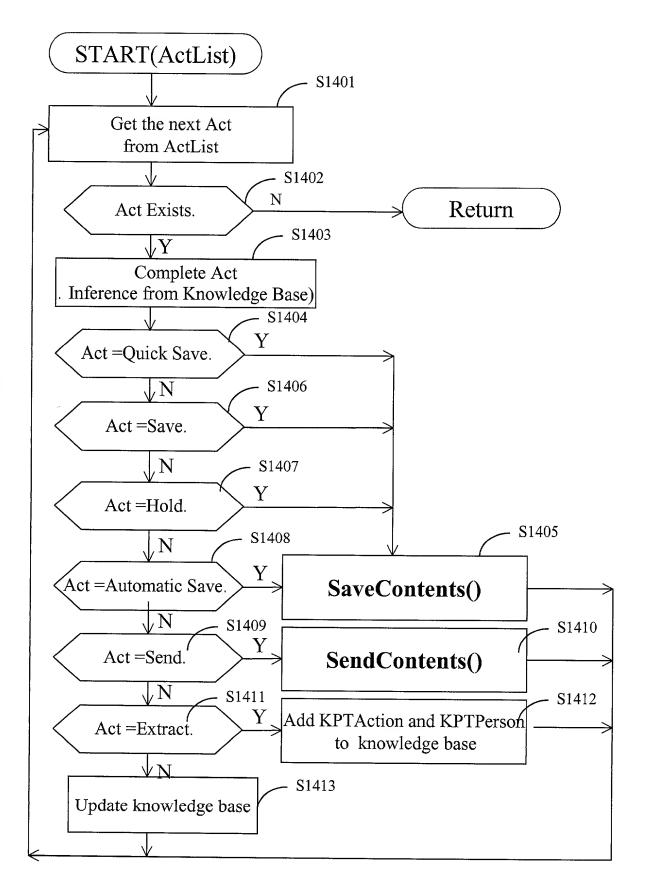


FIG. 14

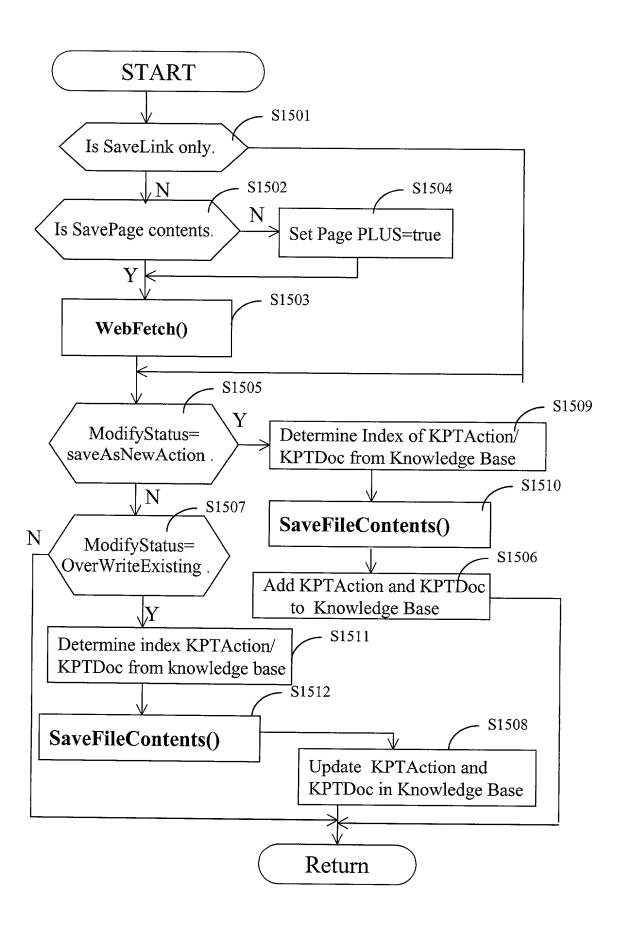


FIG. 15

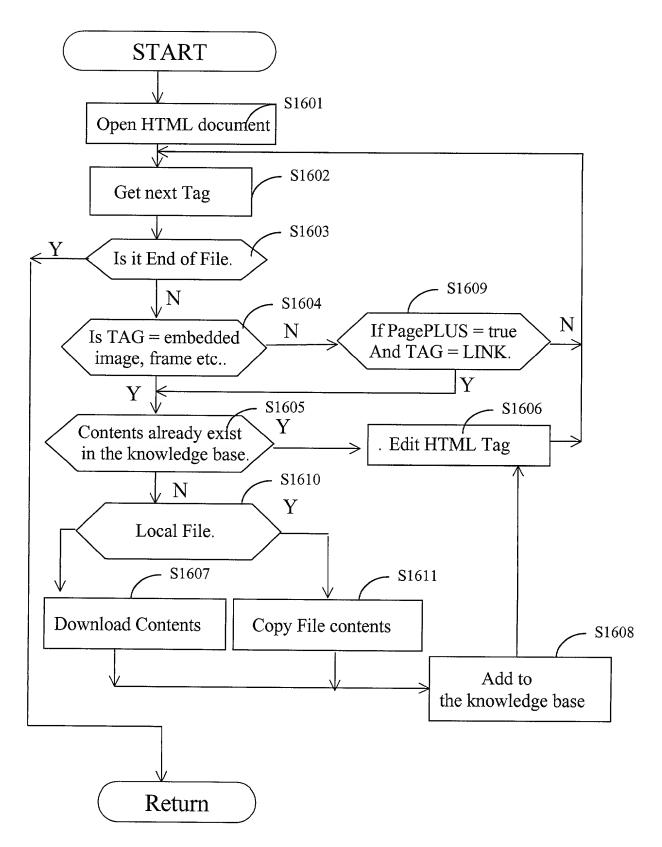


FIG. 16

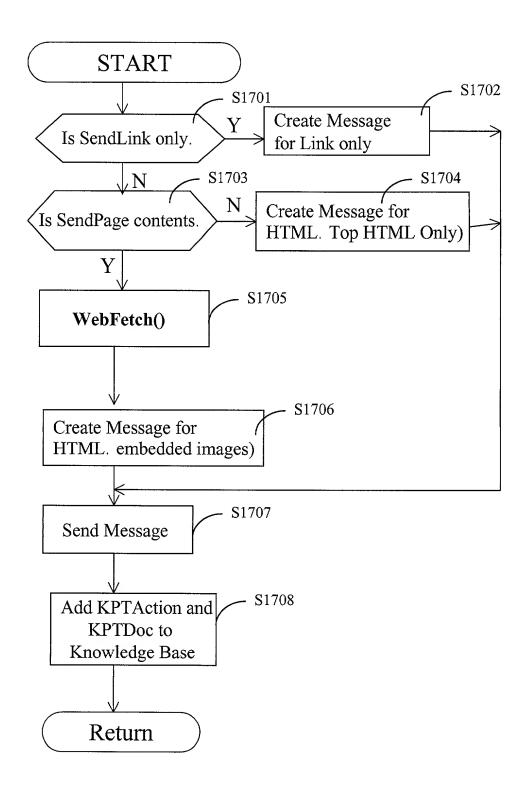
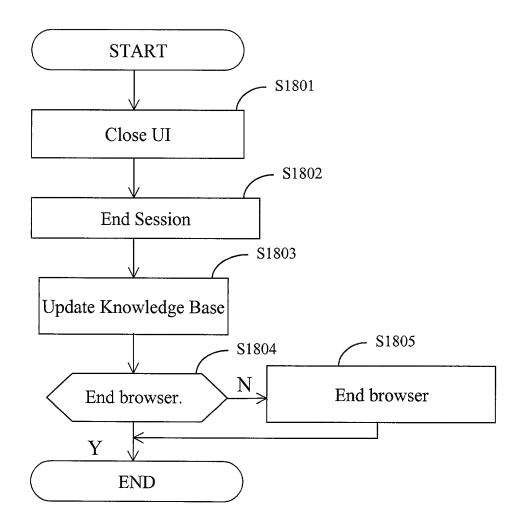


FIG. 17



```
KPTConcept

KPTConcept

{
ObjectID
ModifyStatus

...
}
```

```
KPTPerson

KPTPerson: KPTConcept

{
    RememberAs String
    Name String
    Phone String
    Email String
    Fax String
    URL String
    ...
}
```

```
KPTDocument
(c)
              KPTDocument: KPTConcept
               RememberAs
                                       String
               Name
                                       String
               PhysicalURL
                                       String
               LogicalURL
                                       String
               Orgn
                                       String
               Domain
                                       String
               Keywords
                                       String
               Title
                                       String
               FolderName
                                       String
                                       KPTLinkType
               LinkType
               RetrievedDoc
                                       bool
```

(a) **KPTAction** KPTAction: KPTConcept Type **KPTActionType** Actor **KPTPerson** Object KPTConcept //Document or Action From **KPTConcept** To **KPTConcept** How **KPTInstrumentType** WhenToDo **KPTTime** WhenDone **KPTTime** ConnectedTo KPTConnenctionList SessionID KPTObjID ActionStatus **KPTActSysStatus** UserStatus **KPTUsrStatus** ActImportance **KPTImportance**

(a)

KPTDoc. Knowledge Base

ObjectID	KeepAs	LogicalURL	Orgn	Domain	Keywords	Folder	
D630a816 D630a932 D630b232 D233x123 D133f822 D2340x13	Saora KPT Saora HNS	www.saora.co.jp keepoint.com keepoint.com/faq www.saora.com sales.paltek.co.jp sales.hns.ne.jp	saora keepoint keepoint saora paltek,sales hns, sales 	JP.CO COM COM COM JP.COM JP.NE	KPT, Yokohama, KPT ALTERA, MAX KIOSK, India	D630a932 D233x123	

(b)

KPTAction. Knowledge Base

ObjectID	Type	KPTDocID	Done Time	SessionID	Status	ValidTime	,
A 220221	G, GD		00/02/10 10 00 00		CMCDOME		
A238x231	StartSE		00/03/10 13:38:02		SYSDONE		•••
A238x123	Save	D630a816	00/03/10 13:38:22	A238x231	USRDONE	00/03/10 ~ 01/03/10	
A238x232	QuickS	D630a932	00/03/10 14:18:42	A238x231	USRDONE	00/03/10 ~	•••
A980o232	EndSE		00/03/10 14:20:15		SYSDONE		
A909u898	StartSE		00/04/19 12:12:00		SYSDONE		
A323f229	Hold	D630b232	00/04/19 12:22:13	A909u898	USRDONE	00/04/25 ~ 00/04/30	
A902o230	EndSE		00/04/19 14:12:23		SYSDONE		
A721n292	StartSE		00/04/19 12:12:00		SYSDONE		
A723b232	Send	D630a816	00/04/19 12:12:23	A721n292	SYSTODO		

(a)

KPTPerson. Knowledge Base

ObjectID KeepAs Name Email Phone Fax Extraced Fr	om
P3240902 Saora Saora Inc. support@saora.co.jp 0459139820 0459139821 www.saora. P234x234 hnsonline.co	co.jp

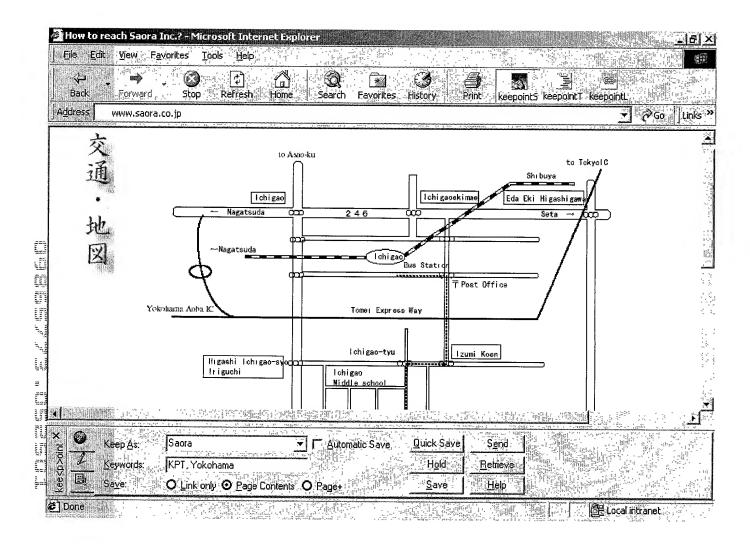
(b)

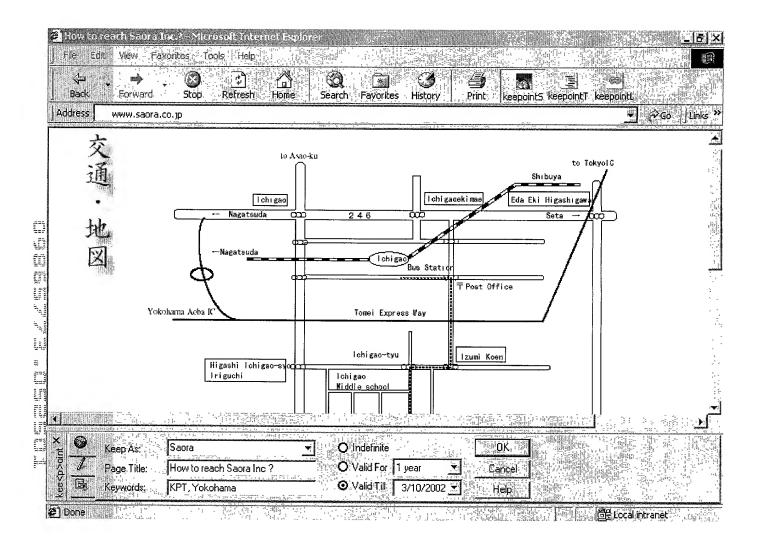
KPTContent. Knowledge Base

ObjectID	URL	FILENAME	KPTDocID	Content Type	ContLen	
F232j233 F802u233 F232q897 F329x800	www.saora.co.jp/logo.gif www.saora.co.jp/jap.gif keepoint.com/img/logo.gif keepoint.com/music/a.mid 	logo.gif jap.gif logo1.gif a.mid	D630a816 D630a816 D630a932 D630a932	IMAGE/GIF IMAGE/GIF IMAGE/GIF MIME/MIDI	212 128 232 987	

Domain. Knowledge Base

# Generic Domains	
.com,	.COM (Commercial Domains)
.edu,	.EDU (Educational Domains)
.gov,	US Government
.mil,	US Dept of Defense
.net,	.NET (Network Domains)
.org,	.ORG (Organization Domains)
# Country Code Domains	,
.ac,	Ascension Island
.ad,	Andorra
.ae,	United Arab Emirates
af,	Afghanistan
.ag,	Antigua and Barbuda
ai,	Anguilla
.al,	Albania
.aq,	Antarctica
.jp	Japan
.ad.jp,	Administrative
.ac.jp,	Universities
.co.jp,	Commercial Organizations
.go.jp,	Government Organizations
.or.jp,	Non Commercial Organizations
.ne.jp,	ISP
.ru	Russia
.ac.ru,	Academic Community
.com.ru,	Commercial Organizations
.edu.ru,	Universities
.int.ru,	For public registration
.mil.ru,	. Military Establishment
.net.ru,	. Internet Service Providers
.org.ru,	Non Commercial Organizations
.pp.ru,	Private Person' s domain
1	





```
(a)

KPTDocument11 = {

ObjectID = "D630a816"
RememberAs = ""
Name = ""
LogicalURL = "www.saora.co.jp"
PhysicalURL = ""
Orgn = ""
Domain = ""
Keywords = ""
Title = ""
FolderName = ""
LinkType = "
...
}
```

```
(b)

KPTAction11
{

ObjectID = "A238x123"

Type = ""

Actor = "John Smith"

Object = "D630a816"

From = ""

To = ""

How = ""

WhenToDo = ""

WhenToDo = ""

ConnectedTo = ""

SessionID = "A238x231"

ActionStatus = "PERFORMING"

...

}
```

```
<html><head>
<title>How to reach Saora Inc.?</title>
<meta name="KEYWORD" content="KPT, Yokohama">
<meta http-equiv="Content-Type" content="text/html; charset=x-sjis">
</head>
<body bgcolor="#FFFFCC">
.
 <img src="www.saora.co.jp/logo.gif" width="50" height="200" >
<img src="jap.gif" width="535" height="391" </td>
<font color="#400040">
 <strong><big>Train</big></strong></font>
 <font color="#0000FF">Tokyu Den-en Toshi Line ICHIGAO Station</font>
 <font color="#0000FF">Take Bus Nos. 305, 306 Izumita Mukai (1 Minute)
 OR 20 Minutes Walk from the Station</font>. . . 
 <font color="#400040">
 <fort color="#0000FF">045-913-9820</fort> 
 <font color="#400040"></font>
 <fort color="#0000FF">045-913-9821</fort>
```

```
(a) KPTContent11
{
    ObjectID = "F232j233"
    URL = "www.saora.co.jp/logo.gif"
    FileName= "logo.gif"
    KPTDocID = "D630a816"
    ContentType = 'IMAGE/GIF'
    ContLen = 212
    ...
}
```

```
(b)

KPTContent12
{

ObjectID = "F802u233"

URL = "www.saora.co.jp/jap.gif"

FileName= "jap.gif"

KPTDocID = "D630a816"

ContentType = 'IMAGE/GIF'

ContLen = 128

...
}
```

```
<html><head>
<title>How to reach Saora Inc.?</title>
<meta name="KEYWORD" content="KPT, Yokohama">
<meta http-equiv="Content-Type" content="text/html; charset=x-sjis">
</head>
<body bgcolor="#FFFCC">
.
 <img src="KPTSYSKB/logo.gif" width="50" height="200" >
 <img src=" KPTSYSKB /jap.gif" width="535" height="391" </td>
>
 <font color="#400040">
 <strong><big>Train</big></strong></font>
 <font color="#0000FF">Tokyu Den-en Toshi Line ICHIGAO Station</font>
 <font color="#0000FF">Take Bus Nos. 305, 306 Izumita Mukai (1 Minute)
 OR 20 Minutes Walk from the Station</font>. . . 
 <font color="#400040">
 <fort color="#0000FF">045-913-9820</fort> 
 <font color="#400040"></font>
 <fort color="#0000FF">045-913-9821</fort>
```

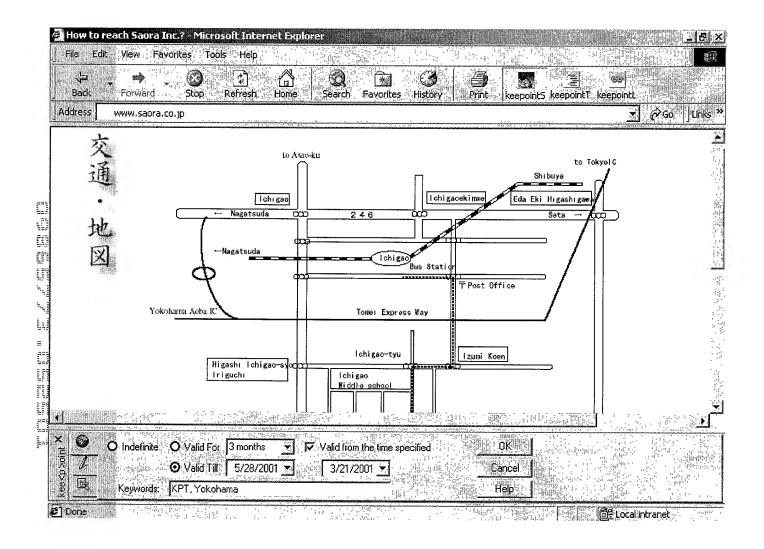
```
(a)

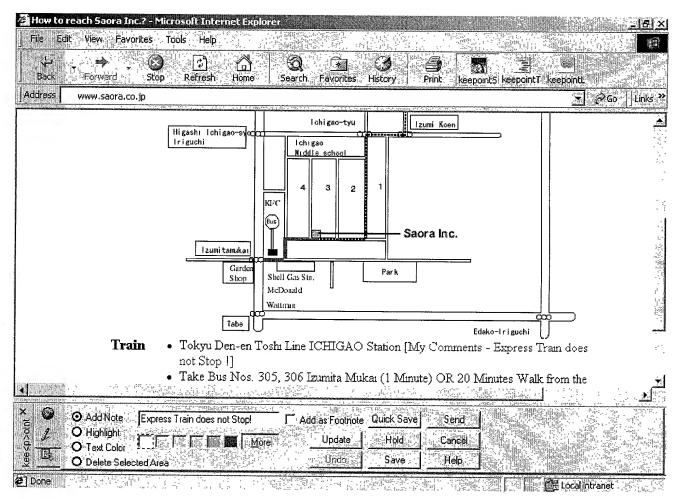
KPTDocument11 = {

ObjectID = "D630a816"
RememberAs = "Saora"
Name = ""

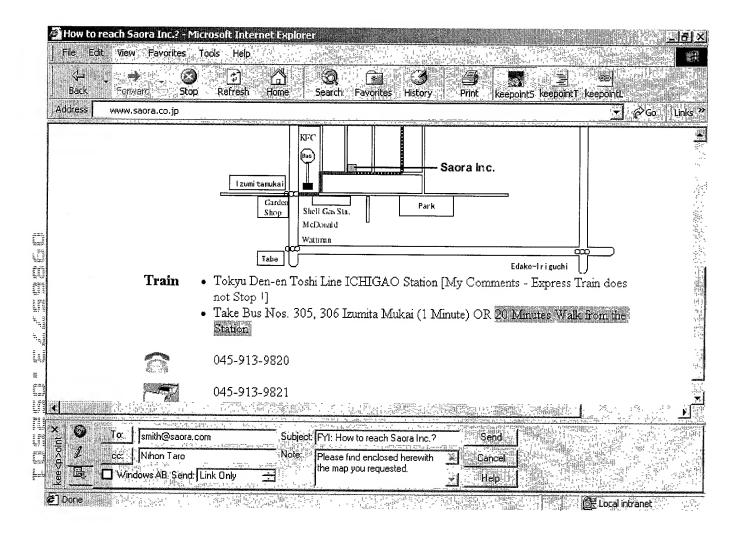
LogicalURL = "www.saora.co.jp"
PhysicalURL = ""
Orgn = "saora"
Domain = "JP.CO"
Keywords = "KPT, Yokohama"
Title = "How to reach Saora Inc.?"
FolderName = "D630a816"
LinkType = 'Page Contents'
...
}
```

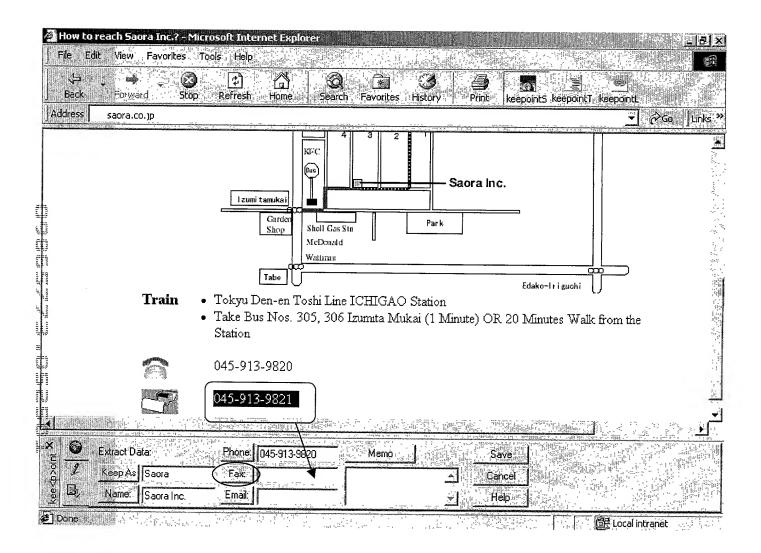
```
(b)
            KPTAction11
                    ObjectID = "A238x123"
                    Type = "Save"
                    Actor = "John Smith"
                    Object = "D630a816"
                    From = ""
                    To = ""
                    How = ""
                    When ToDo = "00/03/10 \sim 01/03/10"
                    WhenDone = "00/03/10 13:38:22"
                    ConnectedTo = ""
                   SessionID = "A238x231"
                   ActionStatus = "USRDONE"
                   ModifyStatus =saveAsNewAction
                  ...
            }
```





```
<html><head>
<title>How to reach Saora Inc.?</title>
<meta name="KEYWORD" content="KPT, Yokohama">
<meta http-equiv="Content-Type" content="text/html; charset=x-sjis">
</head>
<body bgcolor="#FFFCC">
.
 <img src="KPTSYSKB/logo.gif" width="50" height="200" >
 <img src="KPTSYSKB /jap.gif" width="535" height="391" </td>
<font color="#400040">
 <strong><big>Train</big></strong></font>
 font color="#0000FF">Tokyu Den-en Toshi Line ICHIGAO Station
 <SPAN class="KPT" style="COLOR: #ff0000" id=ID_0027202</pre>
 [My Comments—Express Train does not Stop. ] </SPAN>
 </font><lo>1i><font color="#0000FF">Take Bus Nos. 305, 306 Izumita Mukai
 (1 Minute) OR 20 Minutes Walk from the Station</font>. . .
<font color="#400040">
 <fort color="#0000FF">045-913-9820</font> 
 <font color="#400040"></font>
 <fort color="#0000FF">045-913-9821</fort>
```





```
(a)

KPTPerson31 =

{

ObjectID = "P3240902"

RememberAs = "Saora"

Name = "Saora Inc."

Email = "support@saora.co.jp"

Phone = "045-913-9820"

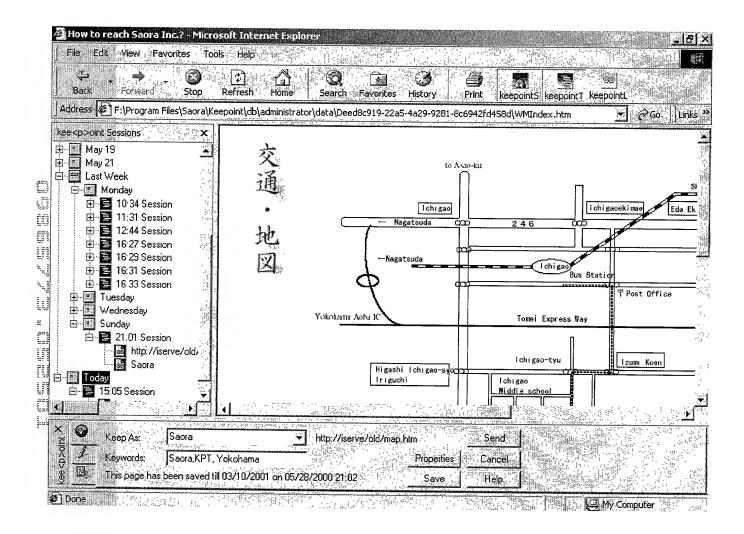
Fax = "045-913-9821"

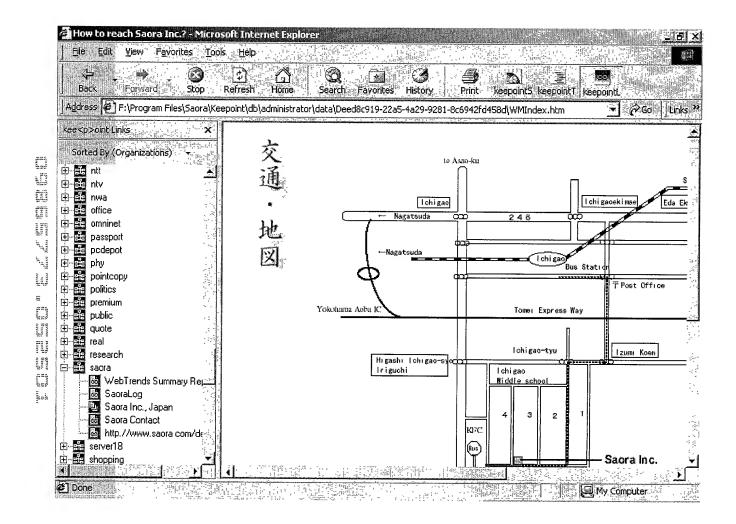
ExtractedFrom = "www.saora.co.jp"

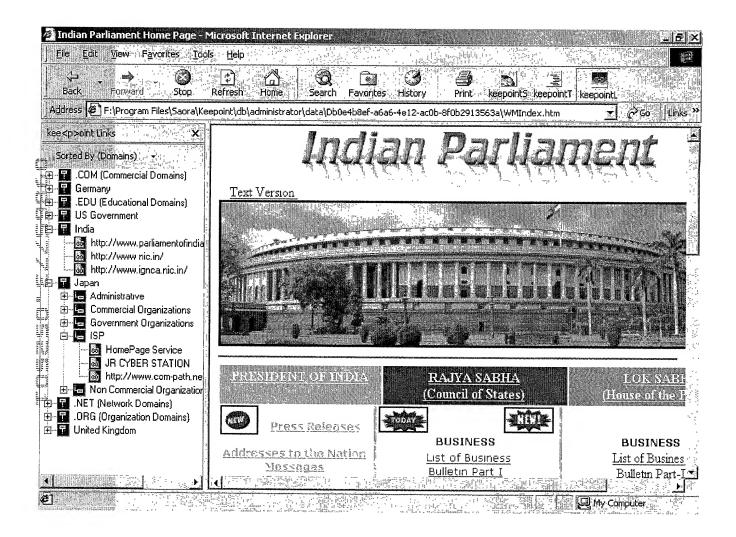
...

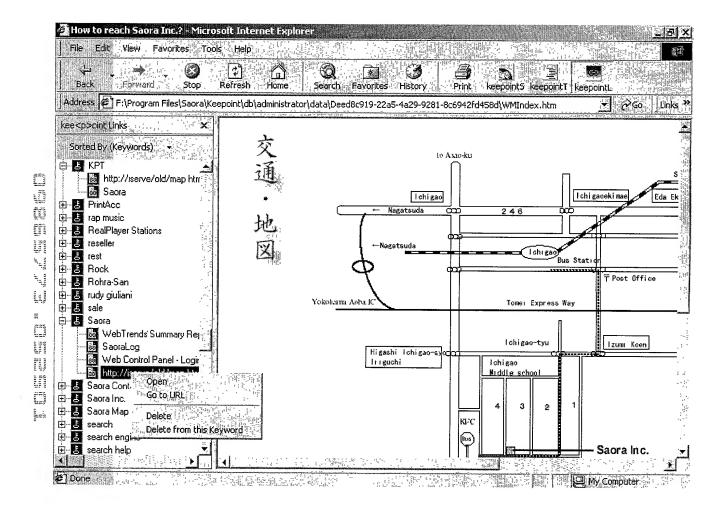
}
```

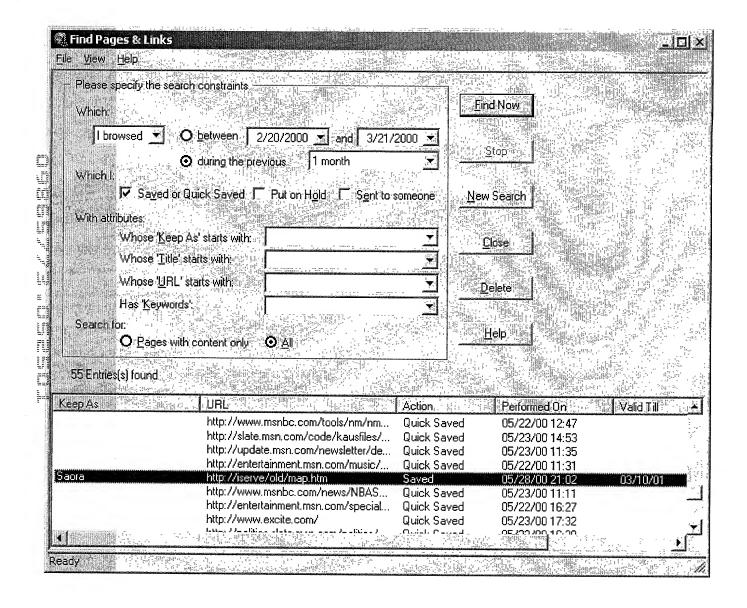
```
(b)
          KPTAction31
                  ObjectID = "A324i213"
                  Type = "ExtractData"
                  Actor = "John Smith"
                  Object = "P3240902"
                  From = ""
                  To = ""
                  How = ""
                  WhenToDo = ""
                  WhenDone = "00/04/19 18:22:10"
                  ConnectedTo = ""
                  SessionID = "A902y134"
                 ActionStatus = "USRDONE"
                 ModifyStatus =saveAsNewAction
          }
```

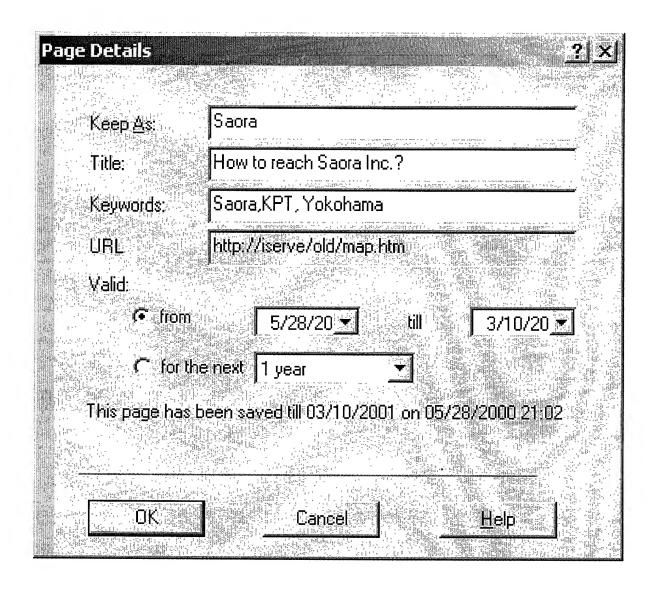


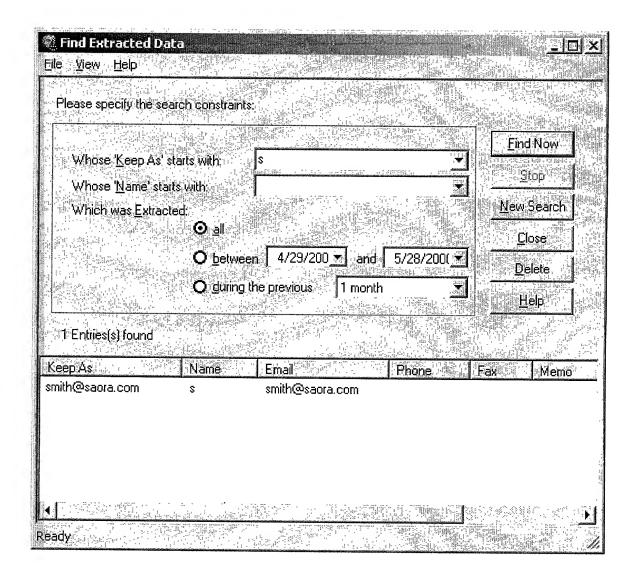


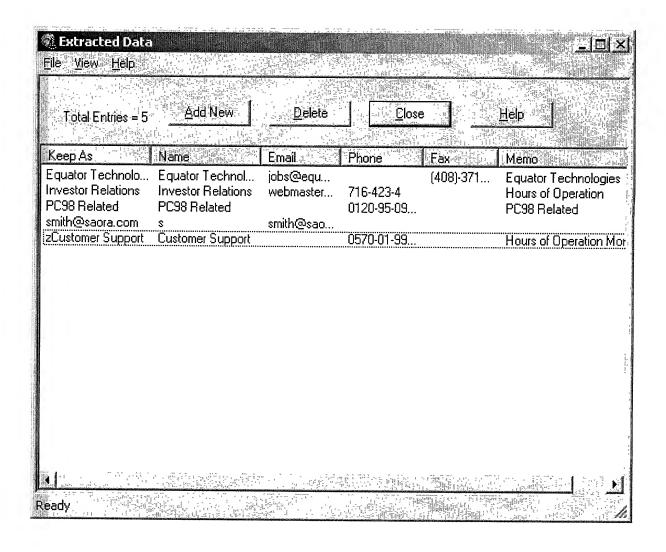


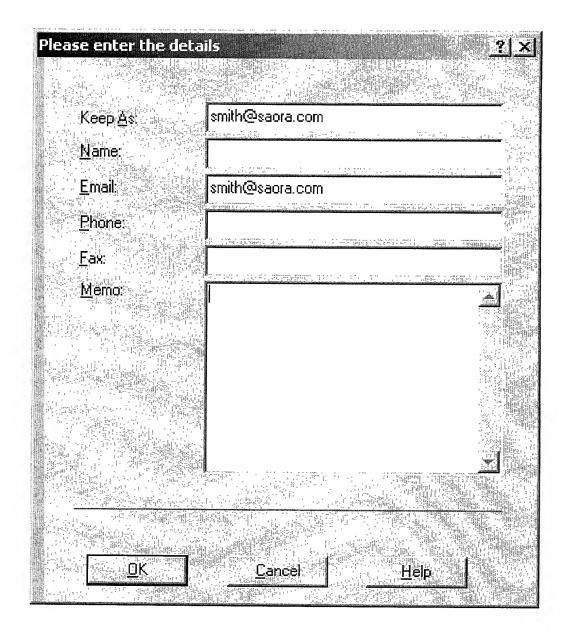


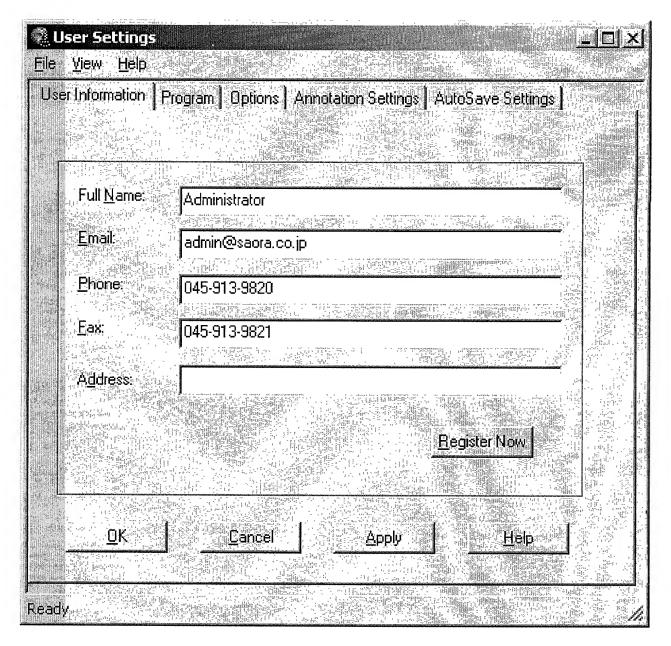


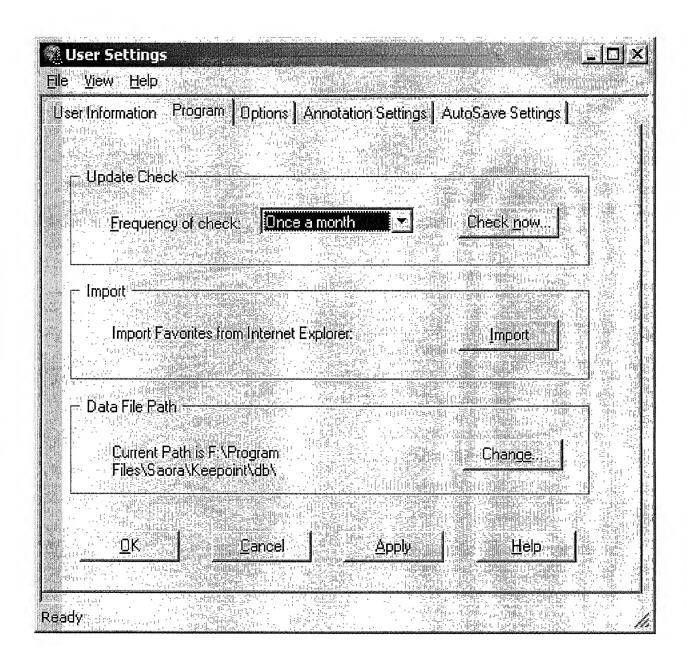


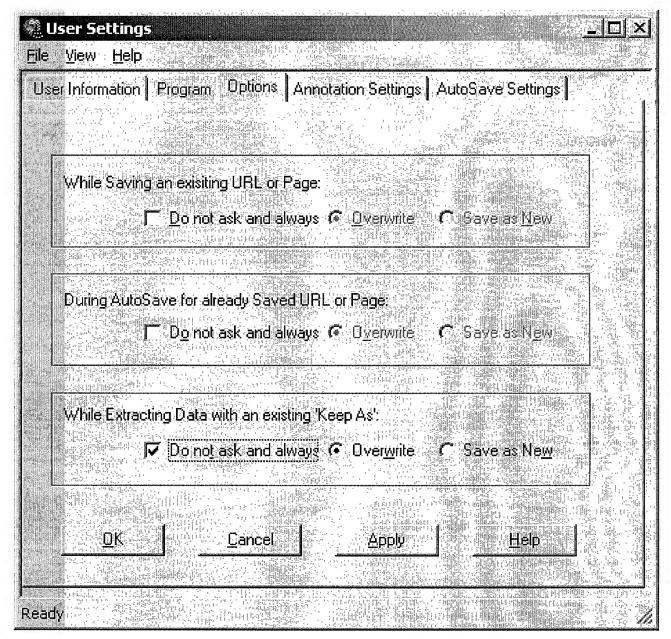


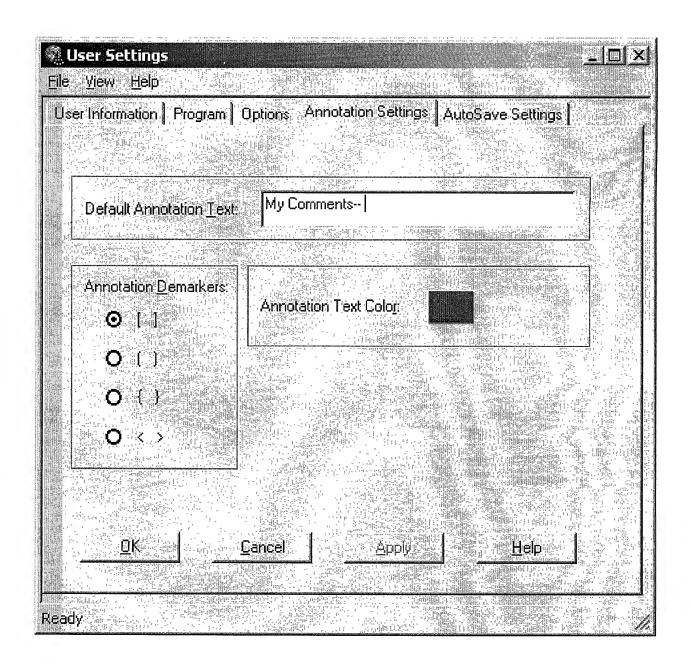


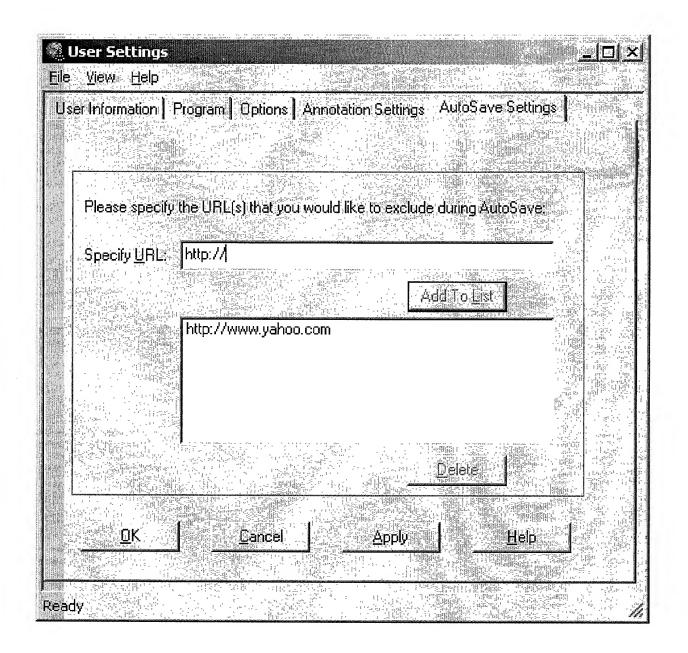












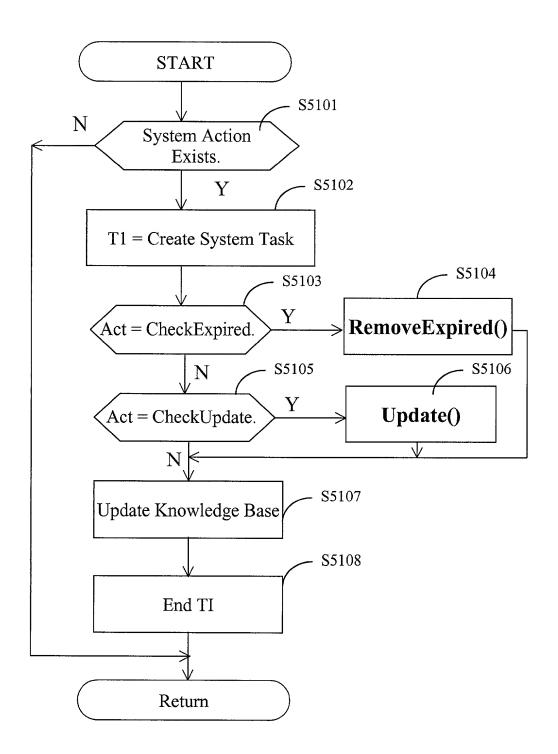


FIG. 51

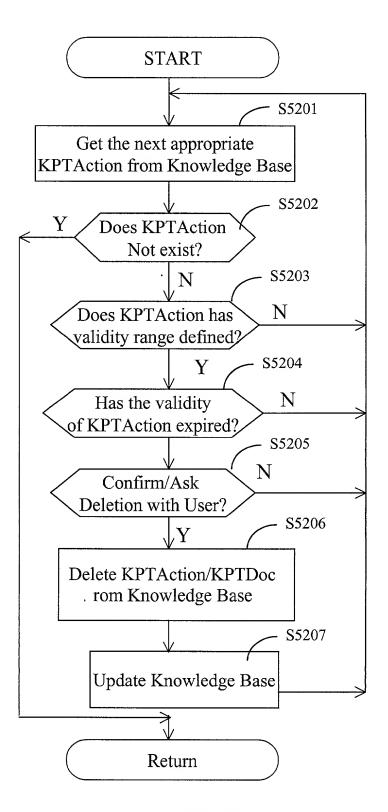


FIG. 52

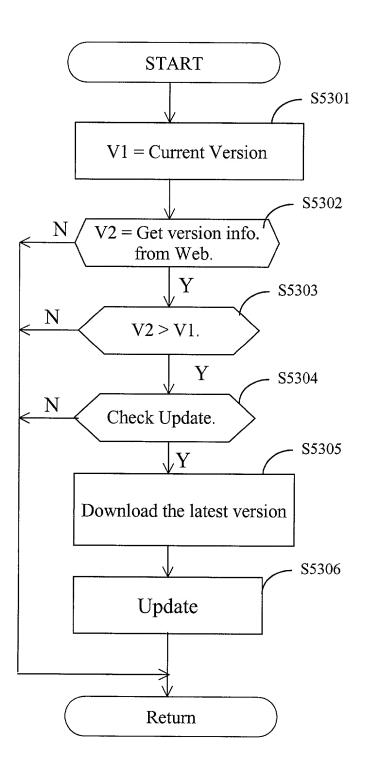


FIG. 53

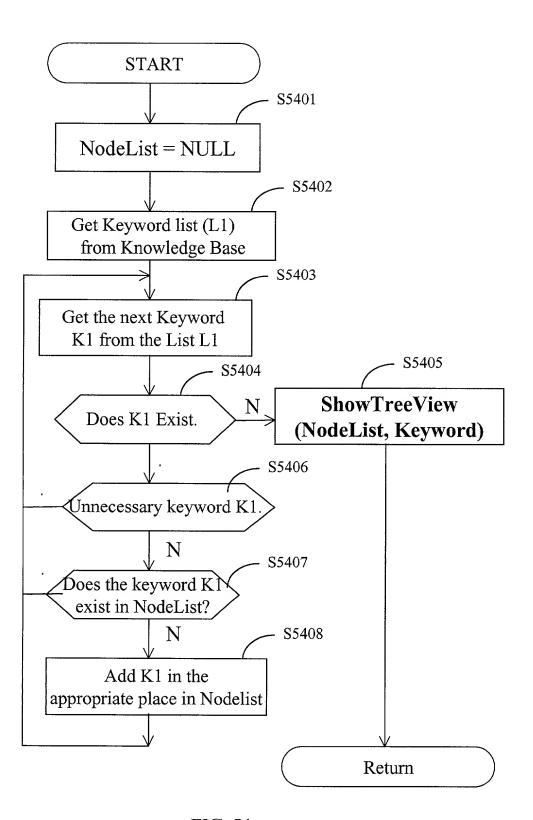


FIG. 54

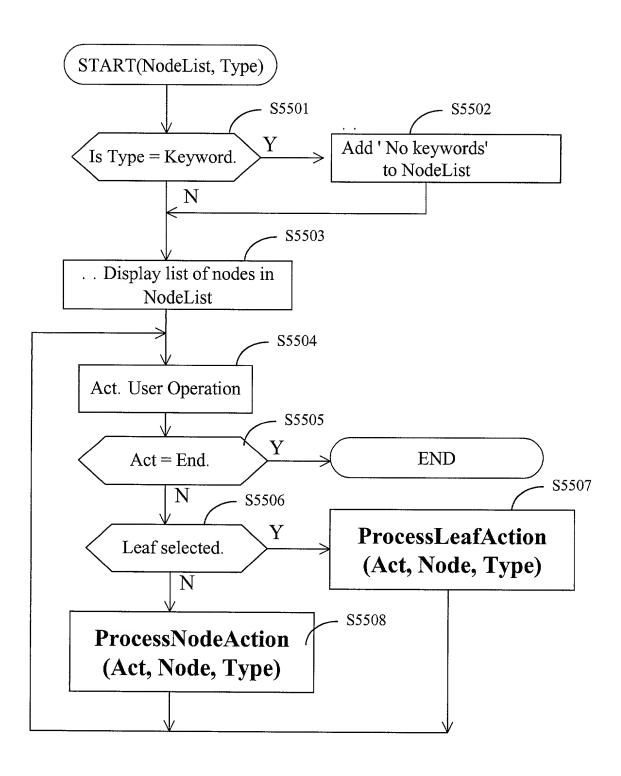


FIG. 55

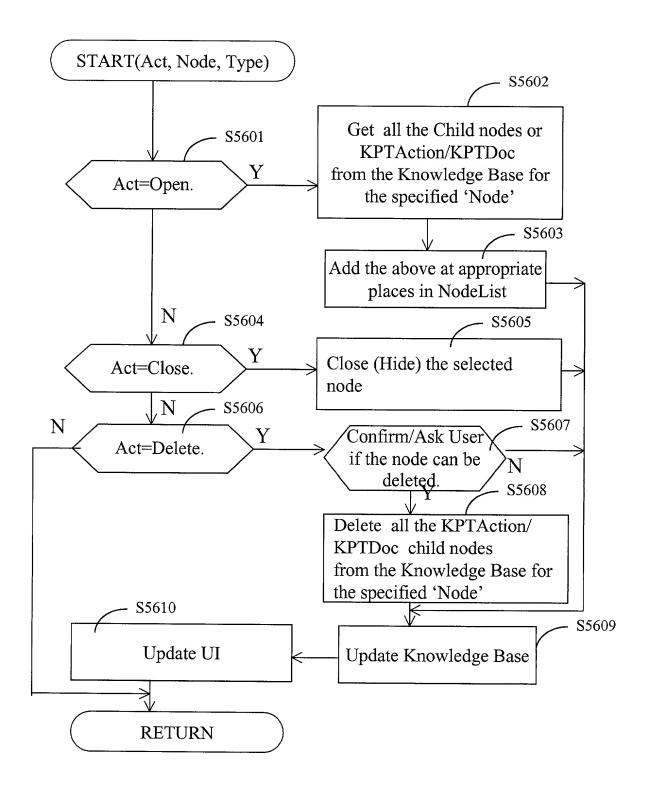


FIG. 56

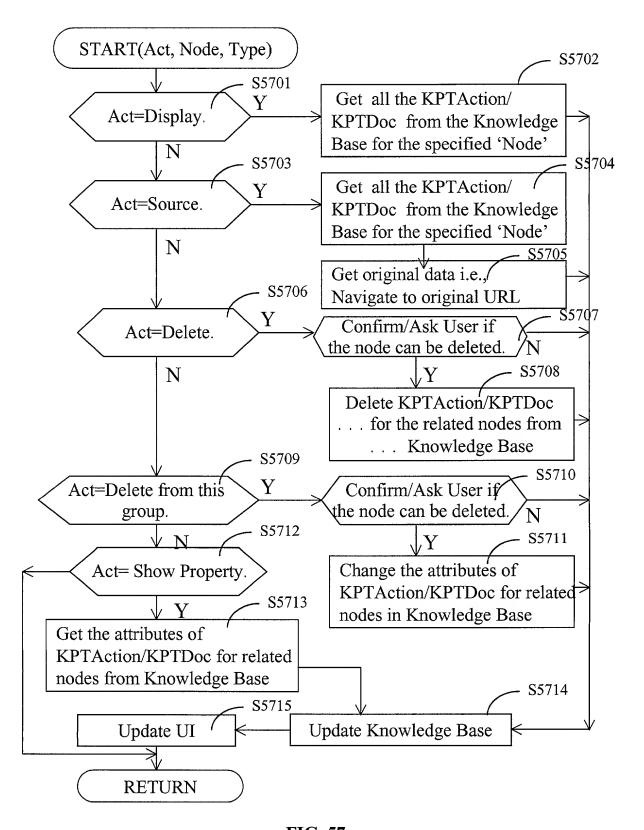


FIG. 57

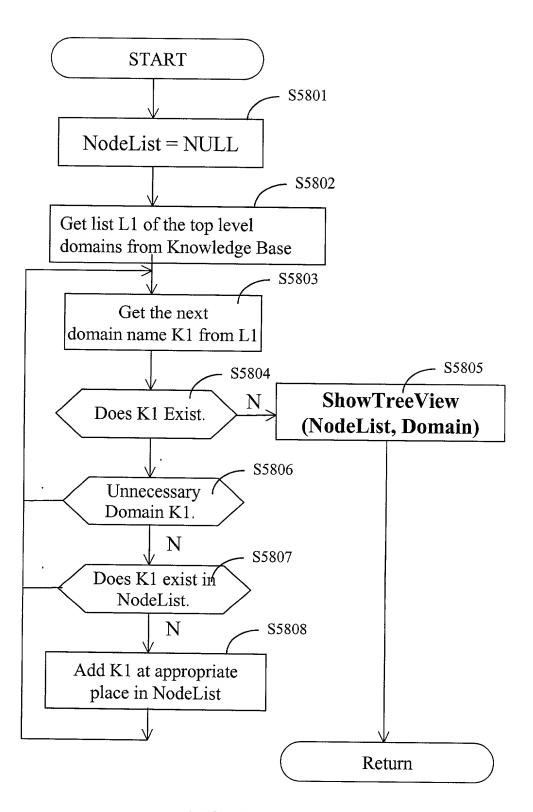


FIG. 58

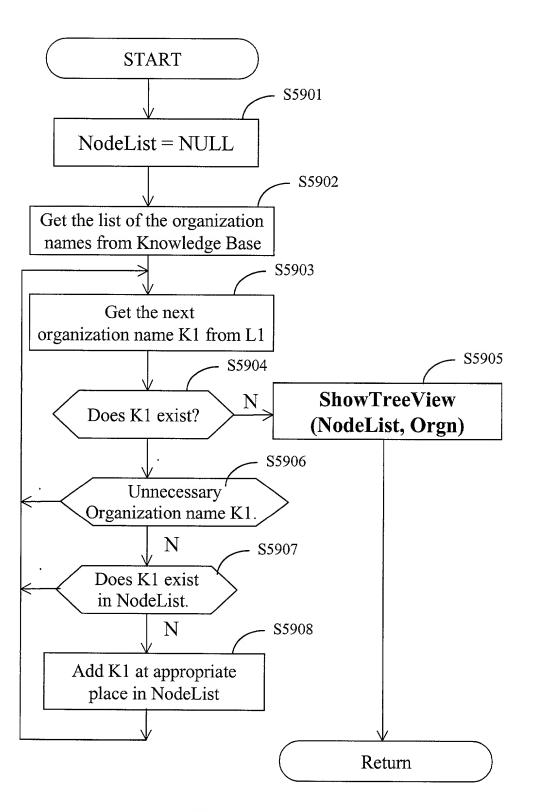


FIG. 59

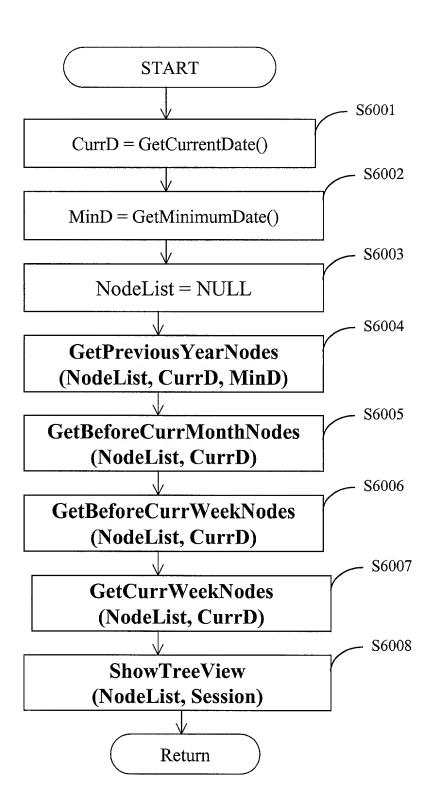
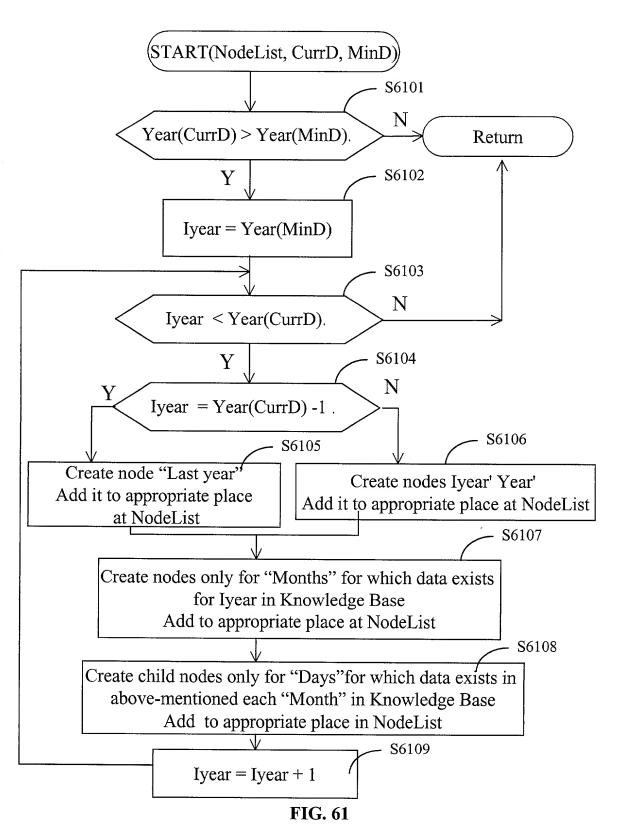


FIG. 60



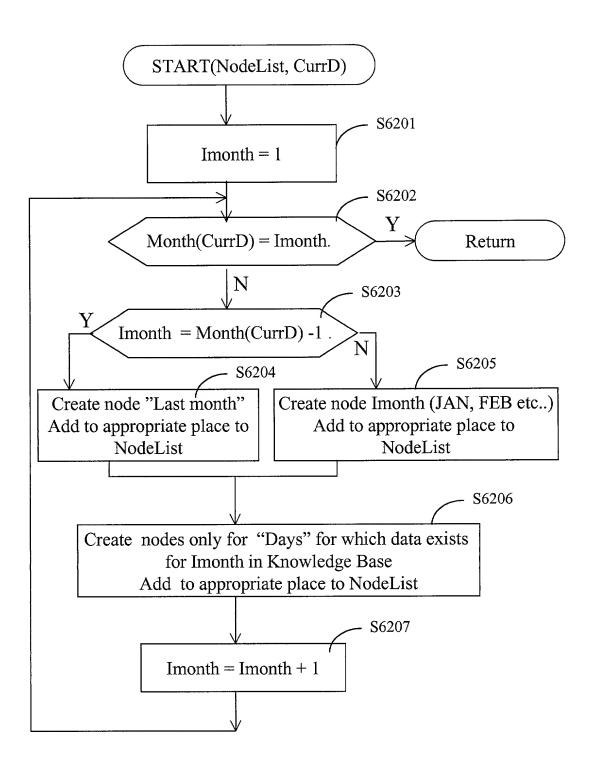


FIG. 62

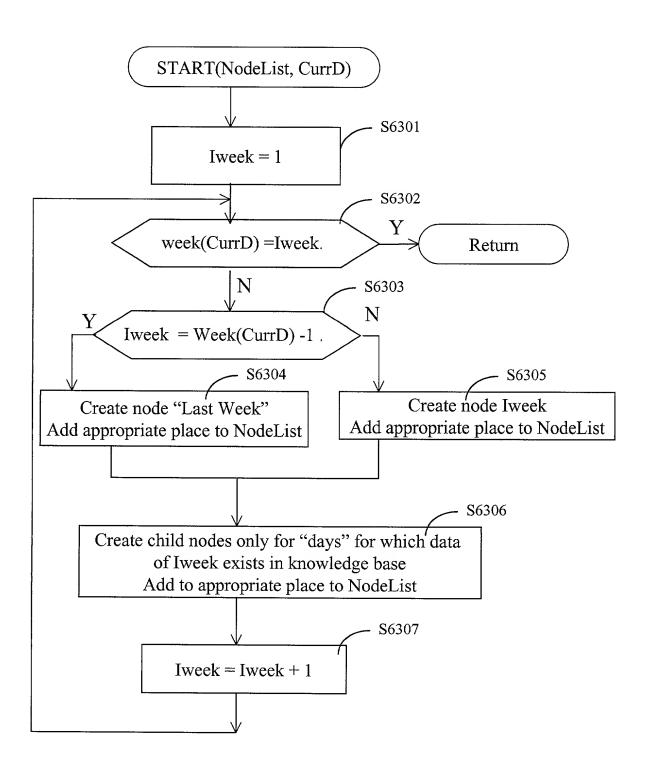


FIG. 63

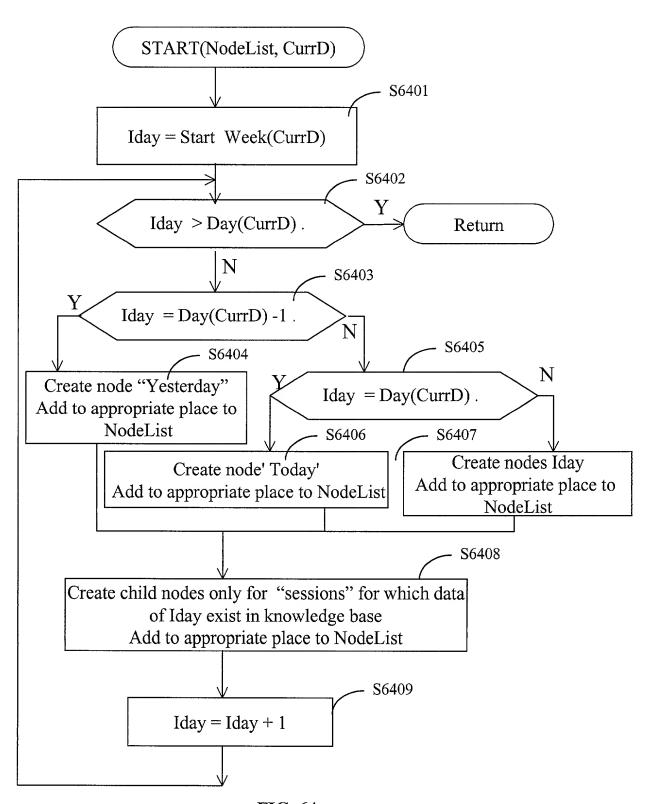


FIG. 64

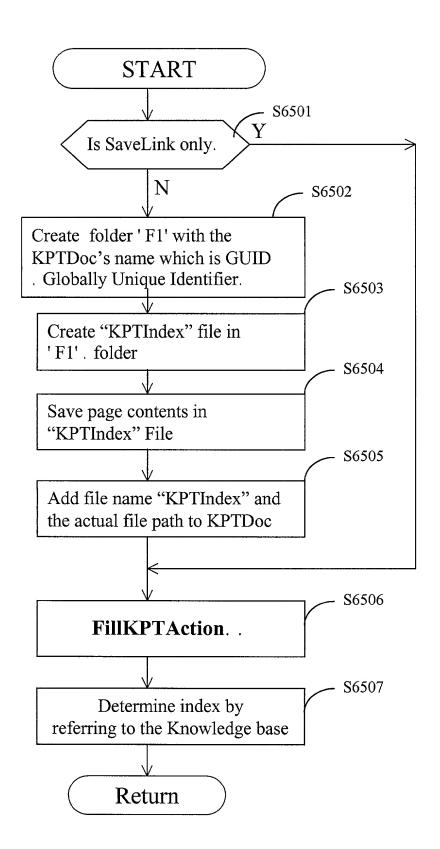


FIG. 65

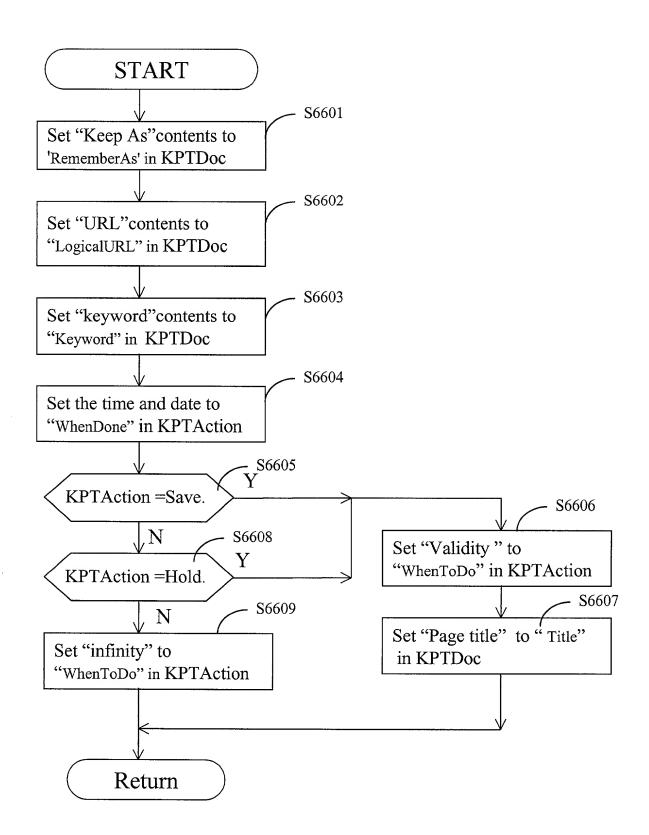
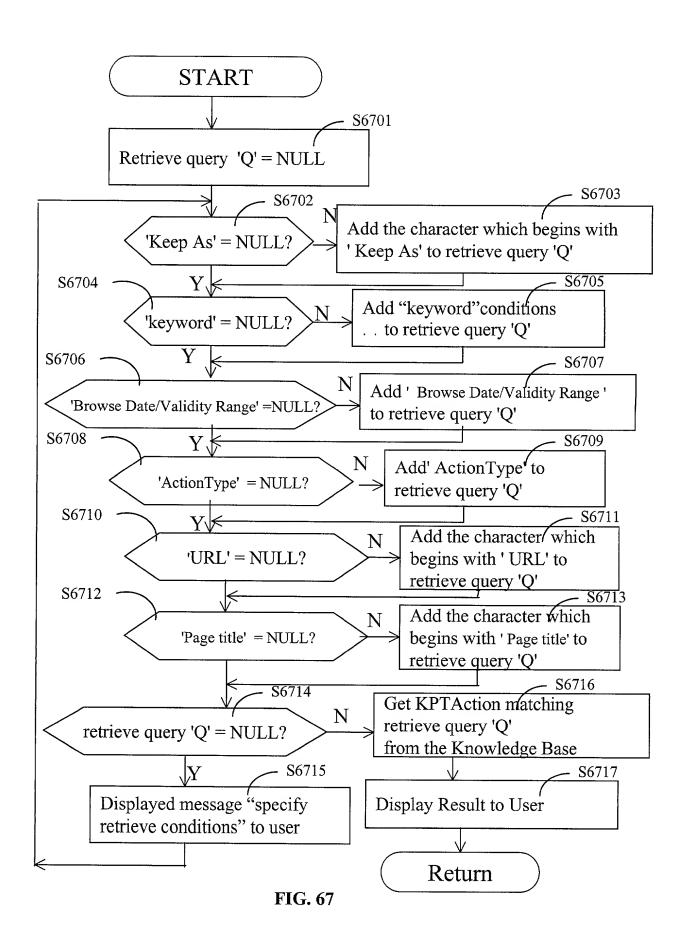


FIG. 66



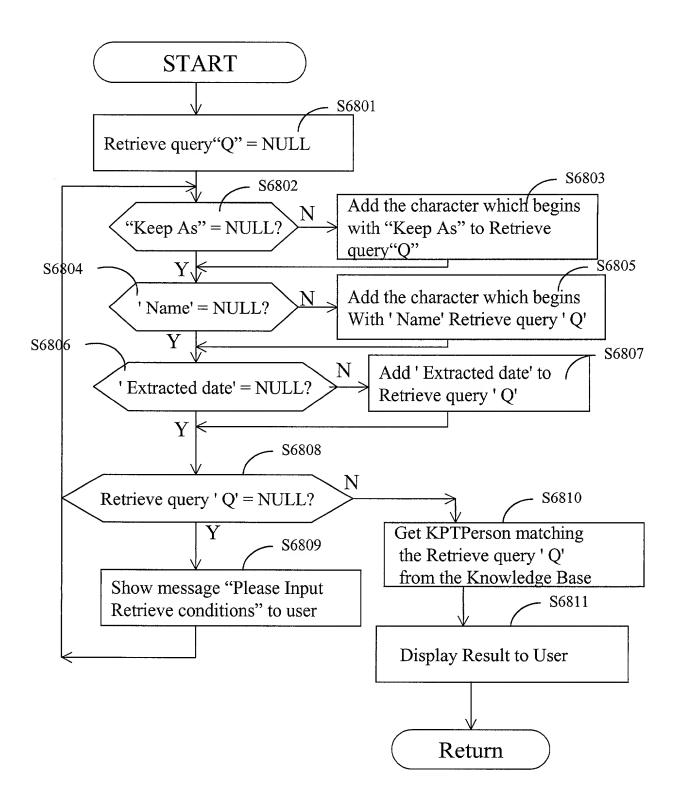


FIG. 68

Example Rules for Determining the Organization Indices for an URL

For the Given Input URL,

- Get the fully qualified URL and remove the parameters e.g., Input: http://www.saora.co.jp/contact.asp?userid=2323
 Output: http://www.saora.co.jp/contact.asp
- Remove the protocol, like http://, https://, ftp:// from the URL e.g., Input: http://www.saora.co.jp/contact.asp
 Output: www.saora.co.jp/contact.asp
- Remove the obvious address e.g., www, www2, etc. from the URL e.g., Input: www.sales.saora.co.jp/contact.asp
 Output: sales.saora.co.jp/contact.asp
- Remove the page information from the URL e.g., Input: sales.saora.co.jp/contact.asp
 Output: sales.saora.co.jp
- Get the domain information from the Domain Knowledgebase and Strip the domain information from the URL and get the organizations e.g., Input: sales.saora.co.jp

Output: Organization(s) are - > sales, saora

Example Rules for Determining the Domain Indices for an URL

For the Given Input URL,

- Get the fully qualified URL and remove the parameters e.g., Input: http://www.saora.co.jp/contact.asp?userid=2323
 Output: http://www.saora.co.jp/contact.asp
- Remove the protocol, like http://, https://, ftp:// from the URL e.g., Input: http://www.saora.co.jp/contact.asp
 Output: www.saora.co.jp/contact.asp
- Remove the obvious address e.g., www, www2, etc. from the URL e.g., Input: www.sales.saora.co.jp/contact.asp
 Output: sales.saora.co.jp/contact.asp
- Remove the page information from the URL e.g., Input: sales.saora.co.jp/contact.asp Output: sales.saora.co.jp
- Get the domain information from the Domain Knowledgebase e.g., Input: sales.saora.co.jp
 Output: Domain is .co.jp

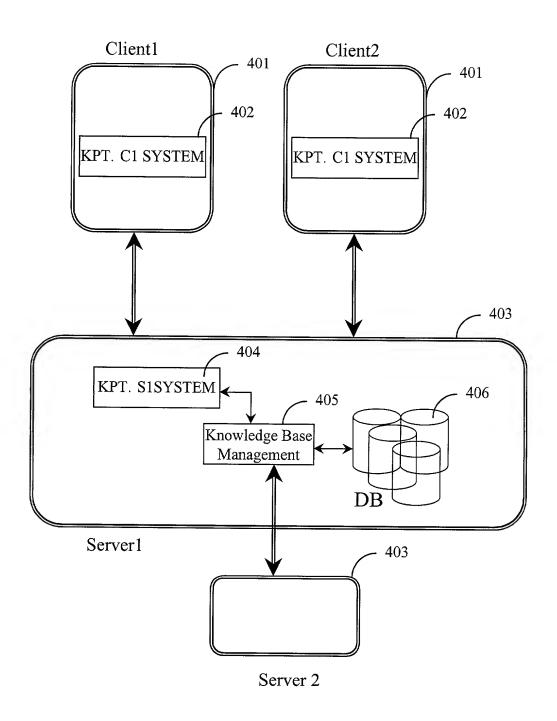


FIG. 71

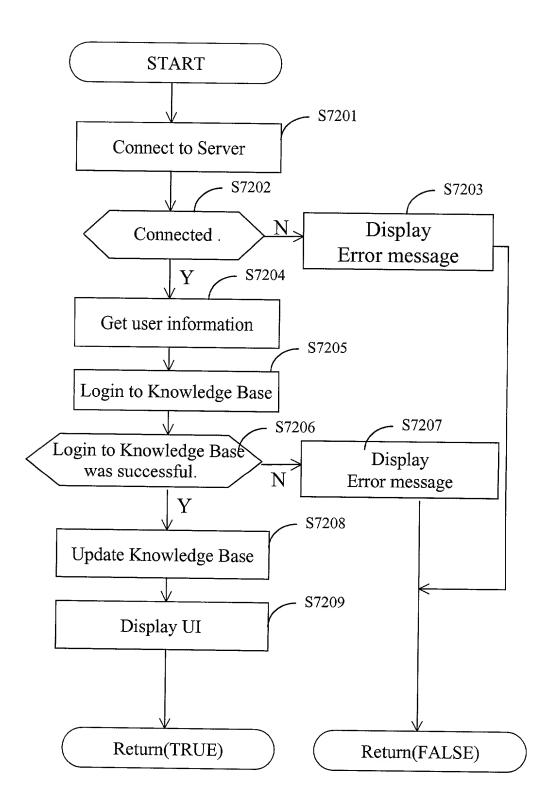
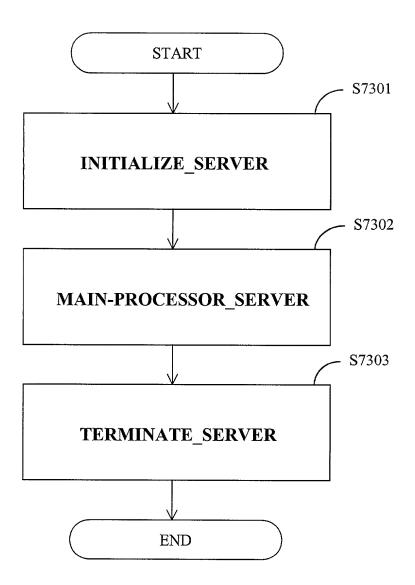
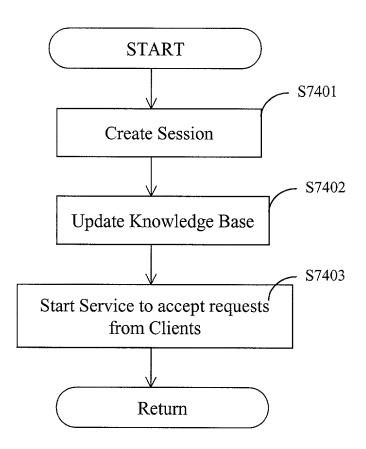


FIG. 72





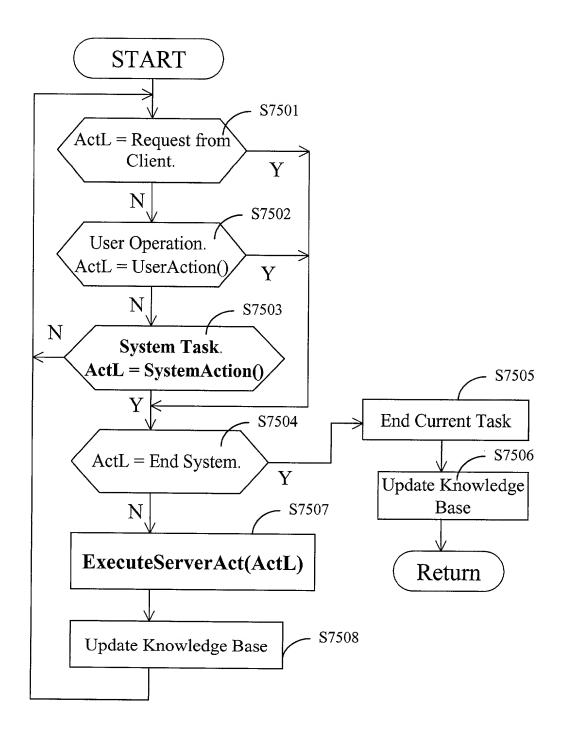
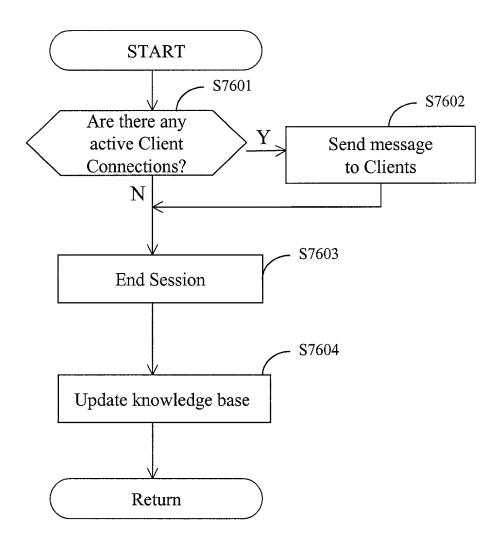


FIG. 75



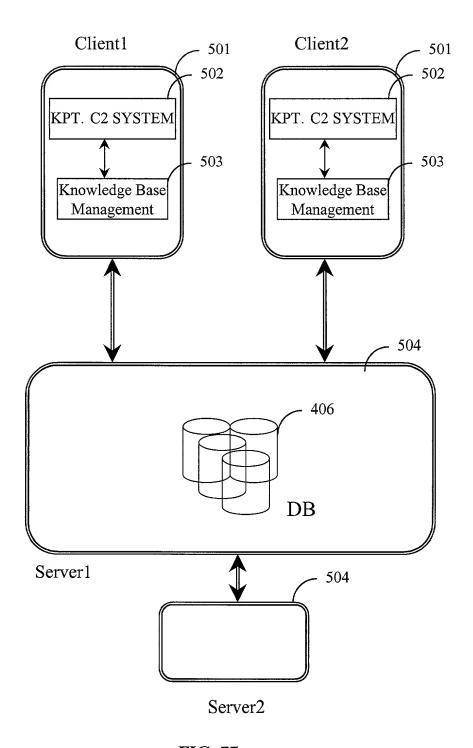


FIG. 77

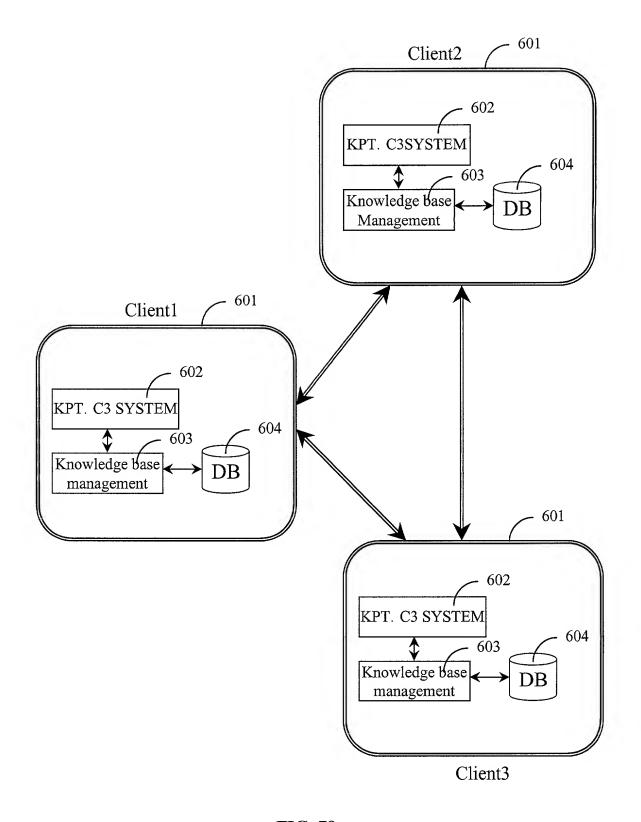


FIG. 78

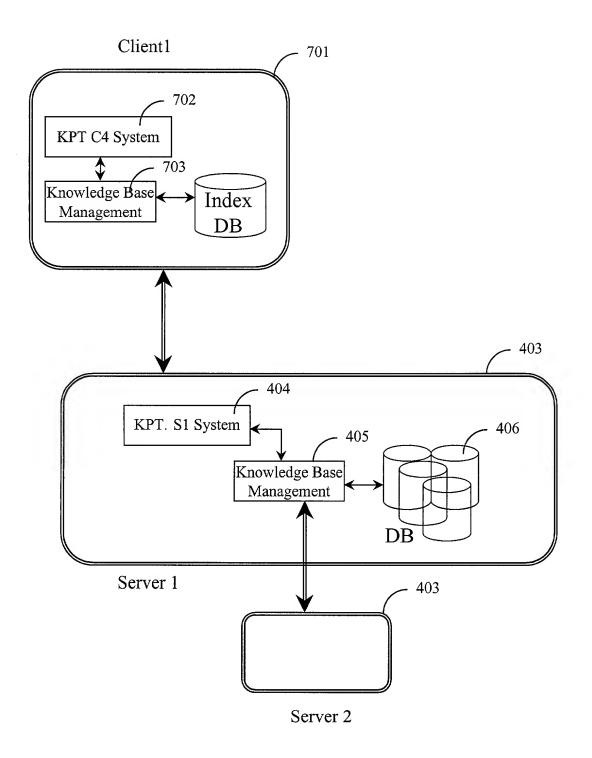
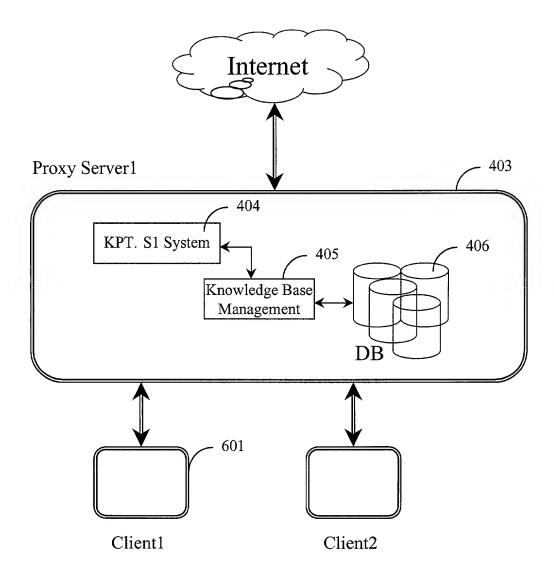


FIG. 79



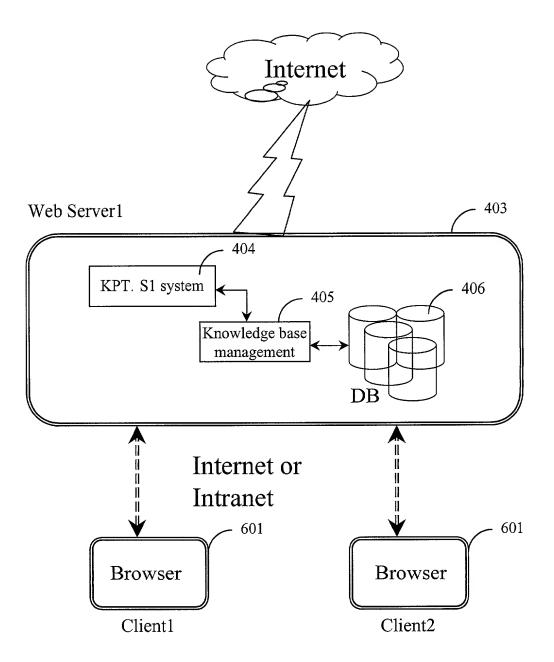
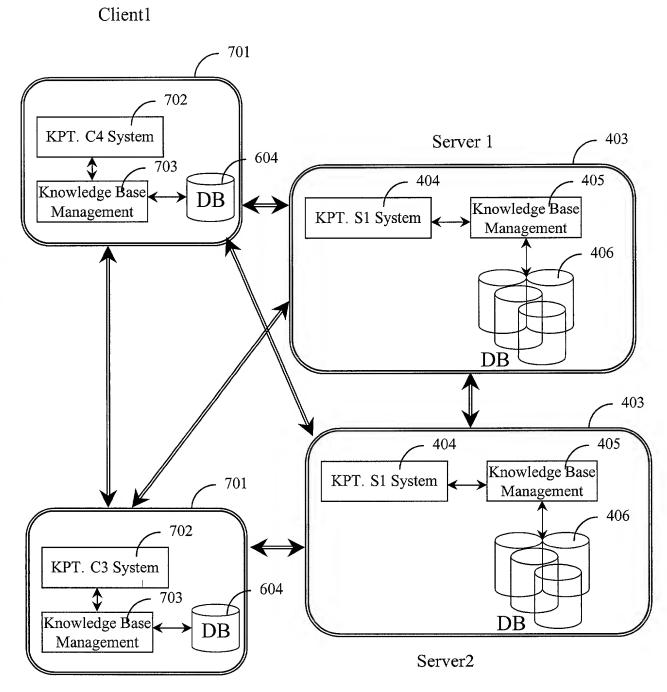


FIG. 81



Client2

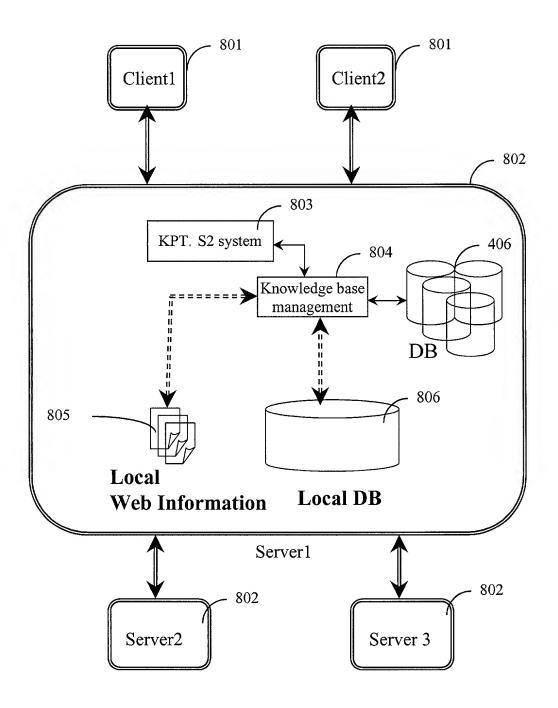


FIG. 83

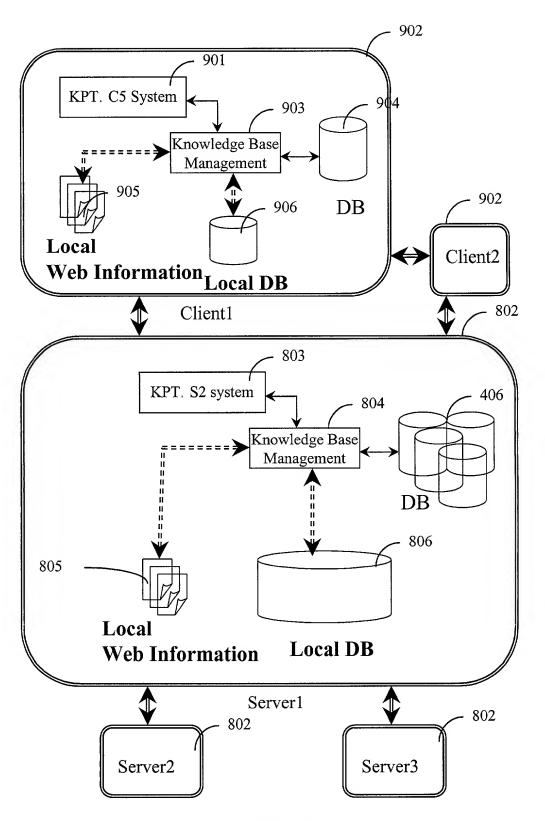
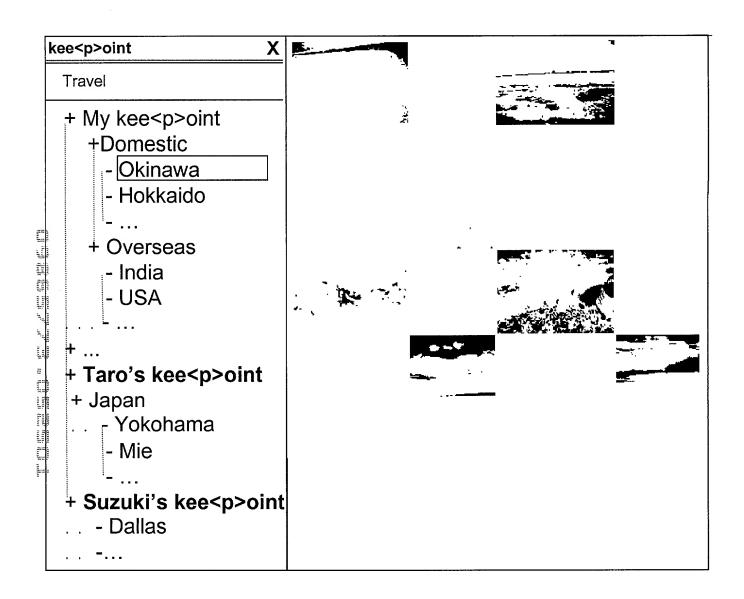
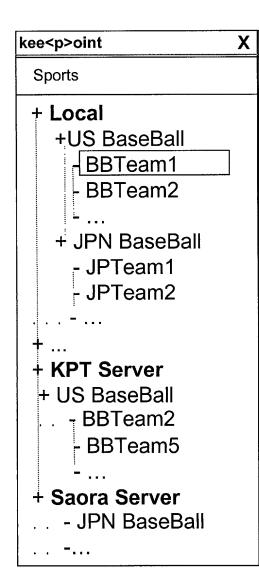


FIG. 84







BBTeam1

Date/Time	Won/Lost	Score
08/11	Won	6-3
08/10	Lost	3-4
08/09	Lost	0-1
08/08	Won	1-0
08/07	Won	20-0

